REPLACEMENT SHEET
Application Serial No. 10/611,392
Sheet 1 of 6

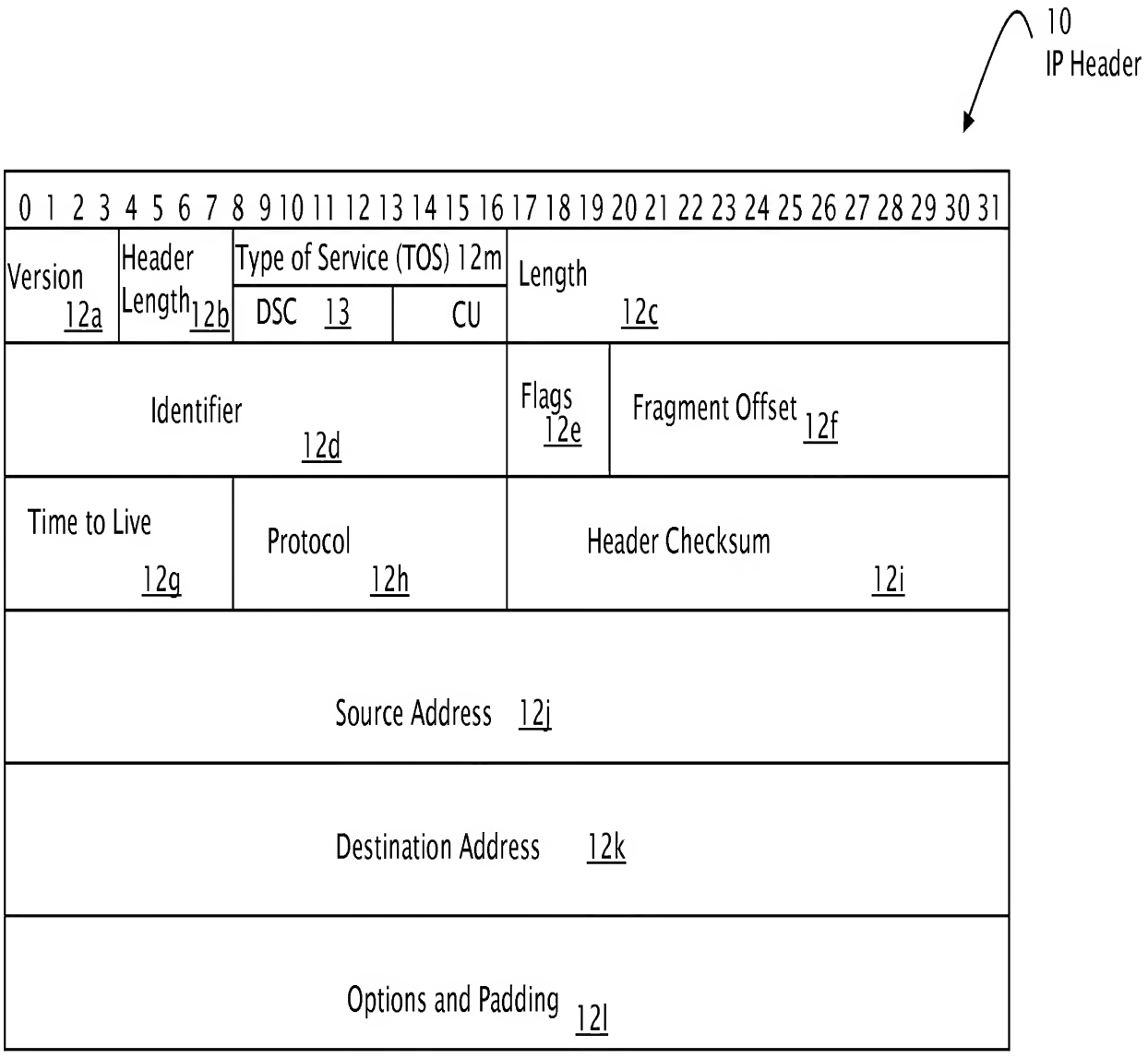


Figure 1

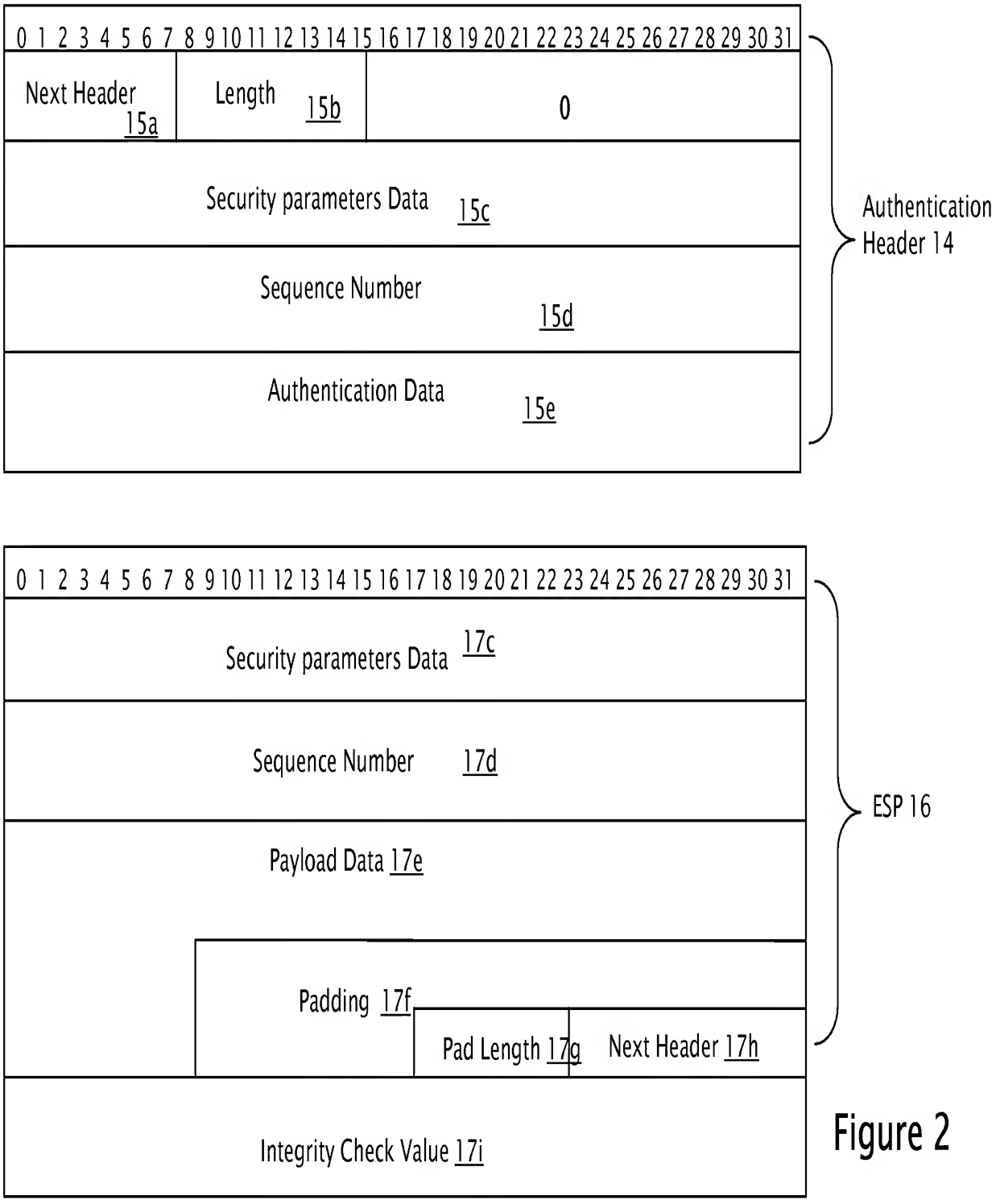
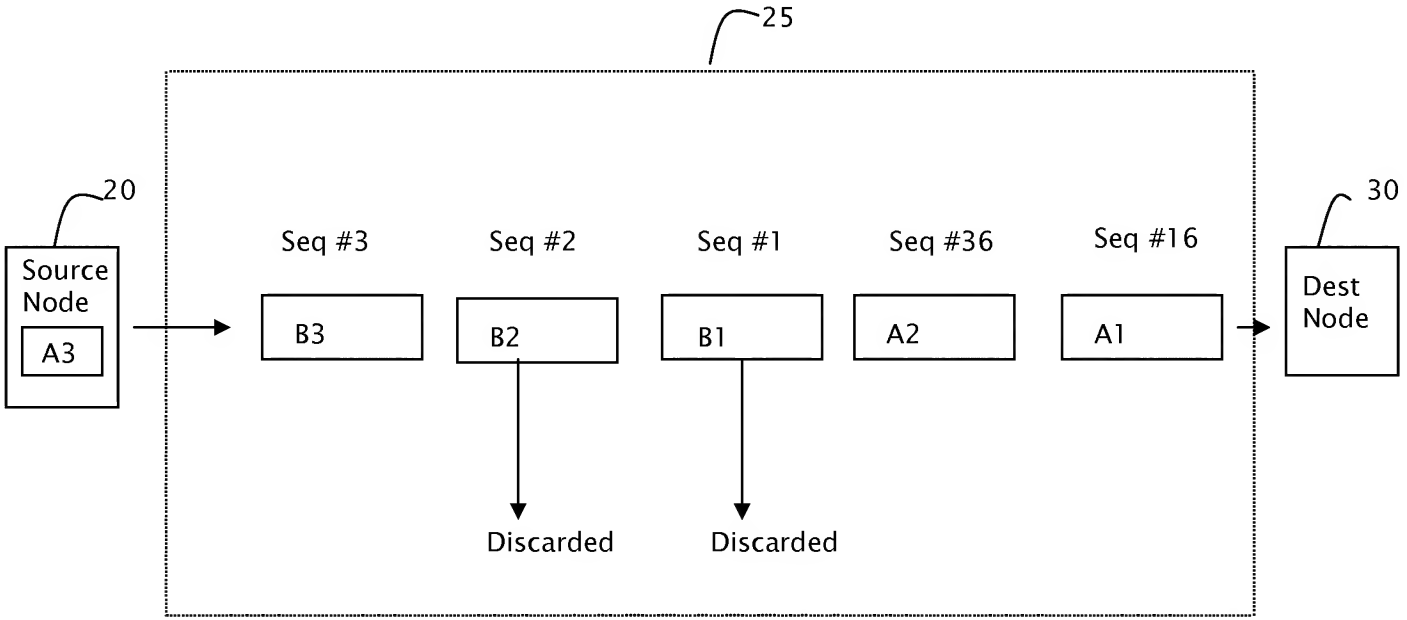

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Next Header 15a
Length 15b
0
Security parameters Data 15c
Sequence Number 15d
Authentication Data 15e
Authentication Header 14
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Security parameters Data 17c
Sequence Number 17d
Payload Data 17e
Padding 17f
Pad Length 17g
Next Header 17h
Integrity Check Value 17i
ESP 16

Figure 2



Prior Art

Figure 3

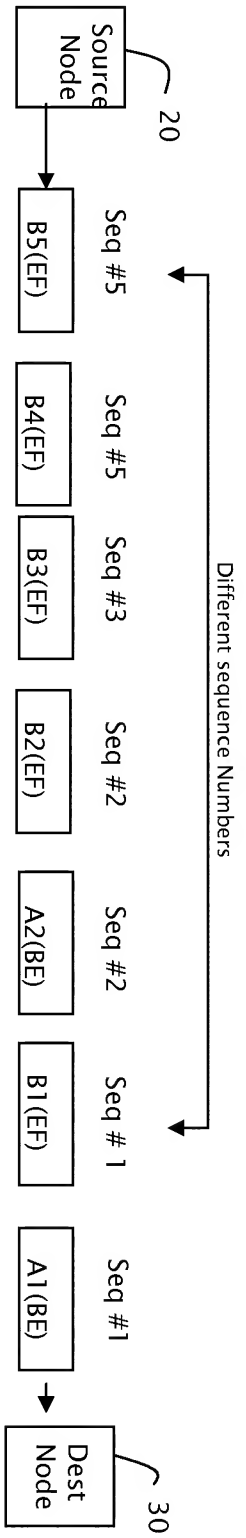

Source Node
20
B5(EF)
Seq #5
B4(EF)
Seq #5
B3(EF)
Seq #3
B2(EF)
Seq #2
A2(BE)
Seq #2
B1(EF)
Seq # 1
A1(BE)
Seq #1
Dest Node
30
Different sequence Numbers

Figure 4

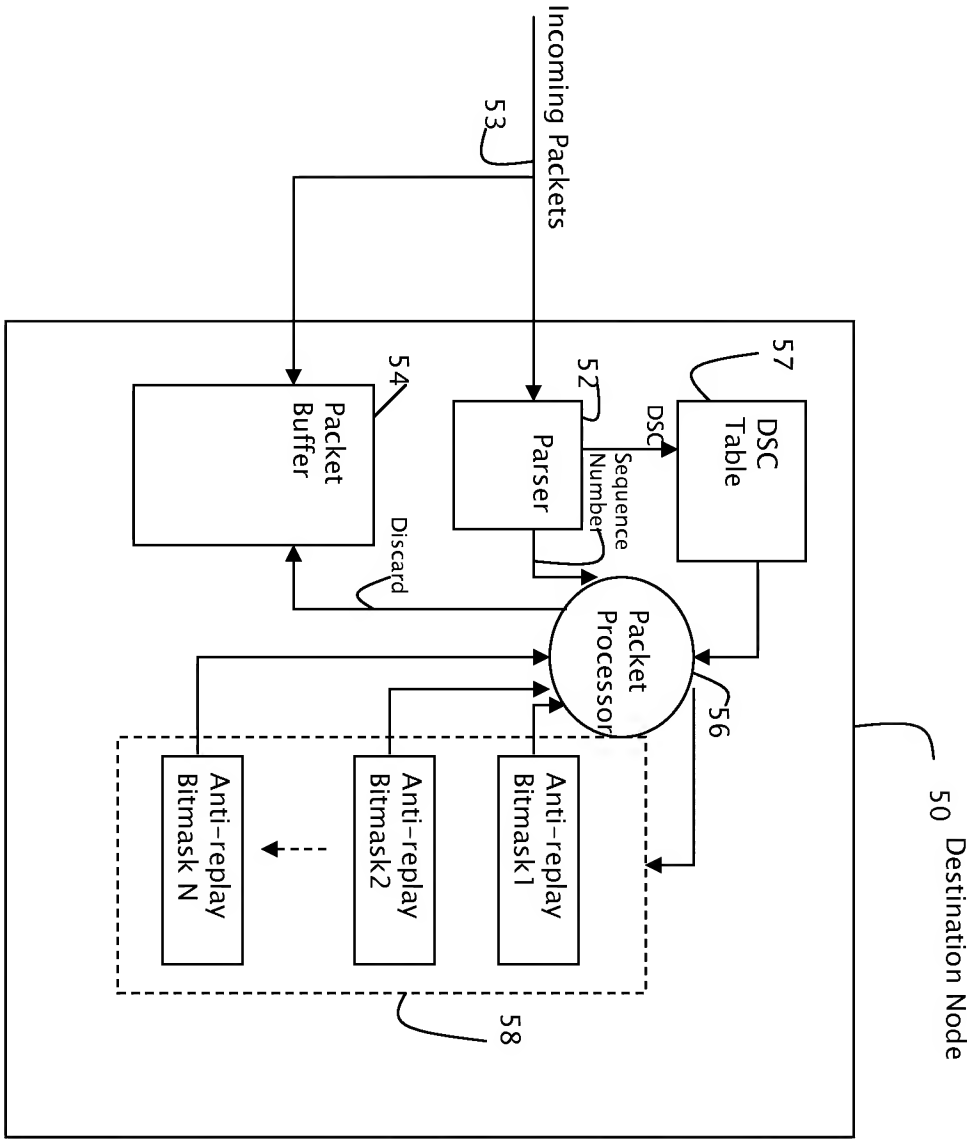

Incoming Packets
53
57
DSC Table
52
Parser
DSC
Sequence Number
54
Packet Buffer
Discard
Packet Processor
56
Anti-replay Bitmask1
Anti-replay Bitmask2
Anti-replay Bitmask N
58
50 Destination Node

Figure 5

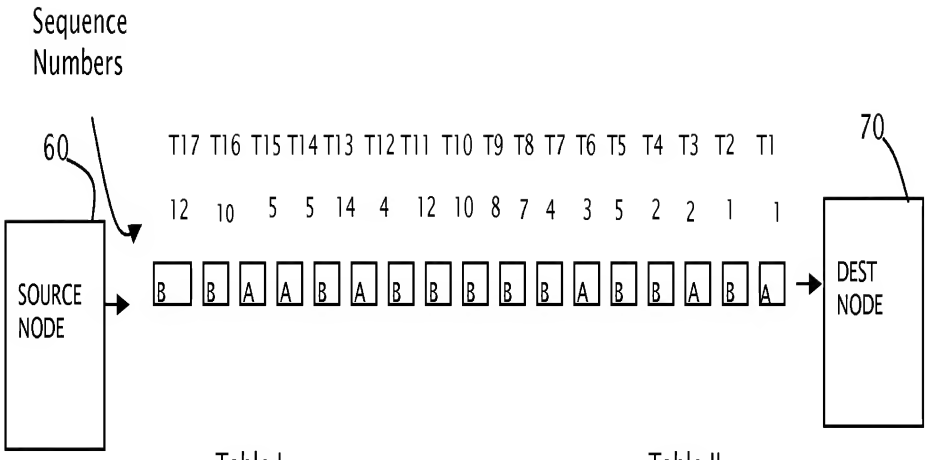


Table I

Stream A Bitmask

Sequence Numbers		
T15	5	T16 Stream A Bitmask 11111
T14	5	
T13	0	
T12	4	
T11	0	
T10	0	
T9	0	
T8	0	
T7	0	
T6	3	
T5	0	
T4	0	
T3	2	
T2	0	
T1	1	

Table II

Stream B Bitmask

Sequence Numbers		
T15	0	T16 Stream A Bitmask 101011011011
T14	0	
T13	9	
T12	0	
T11	10	
T10	6	
T9	8	
T8	5	
T7	4	
T6	0	
T5	5	
T4	2	
T3	0	
T2	1	
T1	0	

Figure 6